

KSC ENVIRONMENTAL CHECKLIST

1. PROJECT TITLE:		2. PROJECT NO.:	
3. PROJECT LOCATION: <input type="checkbox"/> KSC <input type="checkbox"/> CCAFS <input type="checkbox"/> PAFB <input type="checkbox"/> OTHER _____		4. FACILITY NAME/NO.:	
5. REQUESTOR/PROJECT LEAD: _____ ORG/MAIL CODE: _____		6. PHONE NO.:	
7. PREPARER OF CHECKLIST: _____ ORG/MAIL CODE: _____		8. PHONE NO.:	
9. PROJECT DESCRIPTION: <i>(Provide site plans, maps, etc. as separate attachment(s))</i>			
10. a-r. Check the appropriate box (Yes, No, Undetermined) to identify if any component of the proposed project (including, but not limited to: construction, installation, demolition, removal, activation or operation) will involve any of the items listed. Use the attached instructions. Provide more specific information for each item marked Yes or Undetermined in the third column.			
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	a. <u>Construction/Modification/Demolition</u> : Constructing, altering, expanding, modifying (other than routine maintenance), or demolishing any building, pavement or structure.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	b. <u>Land Impacts</u> : Land disturbance, soil addition or removal, digging, grading, trenching, alteration or removal of vegetation, equipment/material staging area required, stockpiling and any activity in or near surface water (including ditches and low-lying areas).		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	c. <u>Hazardous Material and Hazardous, Controlled or Universal Waste</u> : Use, storage, generation and/or disposal of any hazardous or toxic material, petroleum products or paint coatings.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	d. <u>Asbestos Containing Material (ACM)</u> : Disturbance of construction material that may contain asbestos (i.e., roofs, walls, ceilings, floor tile, piping insulation, caulk, etc.).		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	e. <u>PCBs</u> : Disturbance or replacement of electrical distribution systems, communication systems, lightning protection, transformers, non-liquid PCB materials or any other items believed to contain PCBs, including paint coatings.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	f. <u>Painting</u> : Initial application or repainting of a facility (interior or exterior), structure or utility.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	g. <u>Paint, Sealant, Caulking Removal</u> : Includes surface preparation such as sandblasting, scraping, water blasting or chemical stripping of existing paint coatings. Specify method.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	h. <u>Dewatering</u> : Use of conventional wellpoints, hydraulic pumps, or other means to transfer groundwater (including water in utility manholes) for project activities including utility trenching, foundation work, roadbed construction, stormwater treatment pond, and borrow excavation.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	i. <u>Stormwater</u> : Construction of new building, pavement, impervious, or semi-impervious surface and/or modification of an existing stormwater system. Give approximate square feet of impervious surface being added.		Sq Ft
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	j. <u>Drinking/FIREX Water</u> : Installation or modification of potable water system. Include diameter of new water piping if known.		inches
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	k. <u>Domestic/Industrial Wastewater</u> : Installation or modification of domestic sewer system, including septic tank systems, generation of process wastewater or modification to a system that handles or transports wastewater, including condensate lines, washdown effluent, outfalls, holding ponds and non-point source discharges associated with industrial applications/processes.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	l. <u>Air Emissions</u> : Installation or alteration of a stack, scrubber, exhaust fan, vent, generator, fume hood, cooling tower, boiler, halon fire suppression system, HVAC system, refrigeration system; or discharge from painting or sandblasting. Describe emission source.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	m. <u>Open Burning</u> : Burning of any land clearing debris.		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	n. <u>Tanks</u> : Construction, modification, or repair of aboveground or underground storage tanks (including piping and/or containment). Give commodity stored and capacity.		gallons

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	o. <u>Transformers/Generators</u> : Installation, replacement or repair of transformers, generators, or any other oil-filled equipment. Give capacity.	gallons
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	p. <u>Exterior Lighting</u> : Installation, refurbishment or modification of exterior lighting.	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	q. <u>Radiation</u> : Generation of ionizing or non-ionizing radiation or use of any radiation source.	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Undetermined	r. <u>Other</u> : Please describe any other aspect of the proposed action that could potentially affect the environment. Use separate sheet if necessary.	

REQUEST FOR SITE PLAN REVIEW

Site Plan#: 10-0128 **Grid - WON:** J6 - E1195795 **Date Released:** 9/10/2010 **Return Due Date:** 9/14/2010

Title: Temporary SpaceX Telemetry Antenna at J6-0553A (receive only)

Summary of Project:

SpaceX requests to use J6-0553A - Emergency Generator Building on a non-interference basis in support of the Falcon 9 COTS Demo 1 Wet Dress Rehearsal scheduled for 15 September 2010, and again for the C1 launch currently slated for the 18-20 October 2010 time frame.

Requests to allow the NASA Launch Services Program to temporarily set up its deployable antenna (receive only) for evaluating performance of tracking Dragon and DragonLab applications for long term use. The antenna will be temporarily set up on the ground on the gravel access road to the east of the building. Several indoor electronics boxes will be placed in the building and a few cables run from those boxes to the antenna. The antenna will only be receiving data – no transmitting. No digging or staking are required for the antenna setup. Base is a tripod-like structure, approximately 10' x 10' footprint. Dish is approximately 12' x 12'. Total height approximately 12'.

Equipment to be in place starting 13 September 2010 and have all equipment and personnel out by the end of 16 September 2010. The same process and equipment and length of time will be used for the C1 launch currently slated for the 18-20 October 2010 time frame.

Justification:

Requested to support the Falcon 9 COTS Demo 1 Wet Dress Rehearsal scheduled for 15 September 2010, for evaluating performance of tracking Dragon and DragonLab applications for long term use.

Site Location: J6-0553A

Use Designation:

Finding of Consistent with General Plan: YES

Project Type: Tower

Project #:

Real Property: Capitalization required; forward closeout documents to Real Property office.

User:

Cost:

Fund:

FY:

Should the contractor observe any soil anomaly, an IRP Rep. is to be contacted (853-0964).

Released By: Therese Anthony-McDaniel 867-2180

To: (See attached reviewer list)

Return Complete Form To:

ISC Master Planning
Mail: ISC-4026, Fax: 867-1175

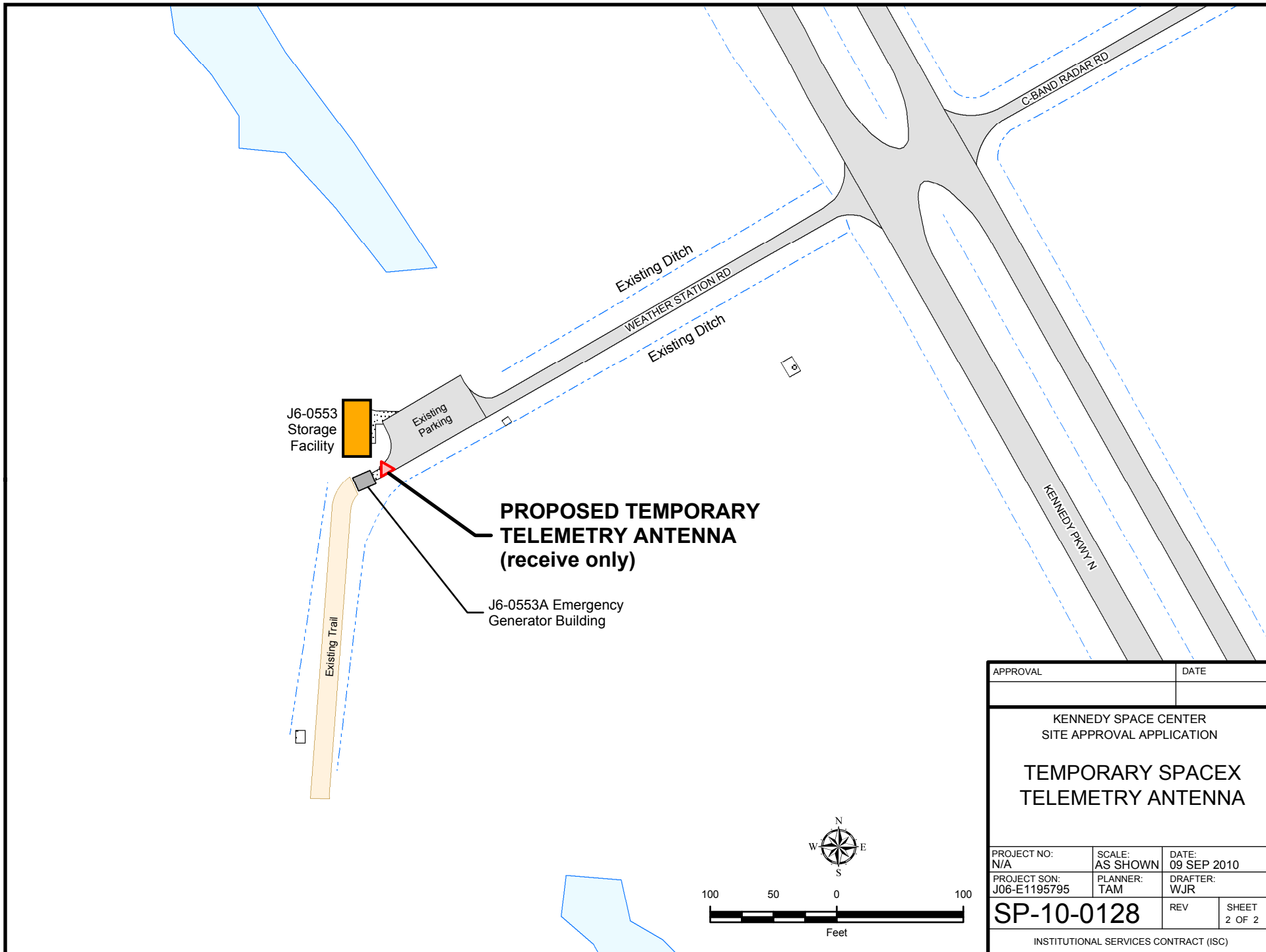
For Information Contact:

Karen LaFon 730-4005
Michael Taylor 730-4007

Response: You are requested to review the subject site plan and return your response by the due date indicated above. All review comments should be submitted on this sheet and returned to the ISC Master Planning Office. You do not need to return the other sheets. Indicate your response in the Review Action column below by entering an "X" in the appropriate space. Your concurrence signature indicates you have reviewed the site plan with respect to your functional responsibility and concur with the proposed location. This does not constitute either project or design approval.

Signature and Printed Name	Office/Functional Responsibility and PHONE	Date	Concur No Comments	Concur Subject to Comments	Non-concur (See Comments)

Comments (Continue on Separate Sheet if Necessary):



APPROVAL		DATE	
KENNEDY SPACE CENTER SITE APPROVAL APPLICATION			
TEMPORARY SPACEX TELEMETRY ANTENNA			
PROJECT NO: N/A	SCALE: AS SHOWN	DATE: 09 SEP 2010	
PROJECT SON: J06-E1195795	PLANNER: TAM	DRAFTER: WJR	
SP-10-0128		REV	SHEET 2 OF 2
INSTITUTIONAL SERVICES CONTRACT (ISC)			



Avoid Verbal Orders

TO: SpaceX/Mike Taylor

DATE: 9/14/2010

FROM: TA-B1C/NEPA Compliance

SUBJECT KSC Record of Environmental Consideration (REC)

CHECKLIST #: 8088

1. PROJECT INFORMATION

Project Title: Temporary SpaceX Antenna at J6-553A (Receive Only)

Project Lead: Mike Taylor, SpaceX, 730-4007

Directorate Project No.: E1195795

EPB Reviewer: LPH

Facility No.: J6-553A

2. NEPA DETERMINATIONS

- ☒ a. **Categorical Exclusion per 14 CFR Part 1216.305(d)**
- ☐ b. **Environmental Assessment (EA) Required per KNPR 8500.1**
- ☐ c. **Environmental Impact Statement (EIS) Required per KNPR 8500.1**
- ☐ d. **Project on CCAFS:**

3. ENVIRONMENTAL REQUIREMENTS

- a. **Non-Permit Requirements** ☒ **YES** ☐ **NO**
- b. **Permit Requirements** ☐ **YES** ☒ **NO**

*****This REC is issued for temporary placement of antenna at J6-553A. A long term use agreement would require development of an Environmental Baseline Survey (EBS)*****

3.a.1. **POTENTIAL RELEASE (PRL) SITE:** This project is located within the boundary of an identified PRL site (#189, C-Band Radar Building) being investigated by the Remediation Group of the NASA Environmental Assurance Branch (Anne Chrest, 867-2056). A PRL designation means a site has had historical operations which had the potential to impact the environment. No excavation was identified for this project and it may proceed as planned. However, if scope changes to include dewatering or soil disturbance, additional evaluation will be necessary.

No other environmental issues were identified based upon the information provided in the KSC Checklist. This Record of Environmental Consideration (REC) does not relinquish the project lead from obtaining and complying with any other internal NASA permits or directives necessary to ensure all organizations potentially impacted by this project are notified and concur with the proposed project.

Due to potential changes in regulations, permit requirements and environmental conditions, statements in this REC are valid for 6 months, and subject to review after this period. It is the responsibility of the project lead to notify the Environmental Management Branch (TA-B1C) if the scope of the project has changed since the original checklist was submitted.

cc: M. Taylor/SpaceX

- 4 Upon evaluation of the subject project, the above determinations have been made and identified. Contact the Environmental Program Office (TA-B1C) at 867-8448 for re-evaluation should there be any modifications to the scope of work.**



9/16/2010 7:23:53 AM

Lynne Phillips

Date